

## **PENDING CLAIMS**

1. A system for transmitting data representing a video image, comprising:
  - a. a medical test device for generating the video image;
  - b. a transmitter coupled to the medical test device for receiving and selectively distributing data representing the video image; and
  - c. one or more remote receivers for communicating with the transmitter and configured to receive the data representing the video image from the transmitter.
2. The system according to claim 1 wherein the transmitter further comprises a compressor configured for compressing the data representing the video image, thereby forming a compressed stream of data.
3. The system according to claim 2 wherein the one or more receivers further comprise a decompressor configured for returning the compressed stream of data into an uncompressed state.
4. The system according to claim 1 further comprising a recorder device coupled to the medical test device and configured for storing the data representing the video image generated by the medical test device.
5. The system according to claim 1 wherein the medical test device is one of an ultrasound, a sonogram, an echocardiogram, and an angioplastigram.
6. The system according to claim 1 further comprising a network coupled between the transmitter and the one or more receivers or transporting the data representing the video image.
7. The system according to claim 6 wherein the network is an Internet Protocol network.

8. (Cancelled)

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13. (Cancelled)

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21. (Cancelled)

22. (Cancelled)

23. A system for allowing a user to remotely control a medical device, the system comprising:
- a. a medical device for generating a plurality of video images;
  - b. a transmitter coupled to the medical device for selectively distributing the plurality of video images; and
  - c. a remote receiver coupled to the transmitter for selectively receiving the plurality of video images and allowing the user to remotely control the medical device through the receiver.
24. The system according to claim 23 wherein the medical device is one of an ultrasound, a sonogram, an echocardiogram, and an angioplastigram.
25. The system according to claim 23 wherein the remote receiver is coupled to the transmitter through a network.
26. The system according to claim 25 wherein the network is an Internet Protocol network.
27. The system according to claim 23 wherein the user remotely controls parameters of the plurality of video images including frame rate and frame size.
28. (Cancelled)
29. (Cancelled)
30. (Cancelled)
31. (Cancelled)

32. The system of claim 23, said system further comprising:

d. a robotic device coupled to said transmitter,  
wherein said transmitter is configured to control said robotic device, and  
wherein said transmitter is configured to receive control commands from said user, and  
wherein at least one of said video images comprises a substantially live video,  
whereby said remote receiver receives and displays said live video substantially in real time, and  
whereby the remote user can control said robotic device with control commands while viewing said live video.

33. A system for transmitting a video over a network, said system comprising:

a. a transmitter containing one or more digitized frames of a video being transmitted,  
b. a network connected to said transmitter,  
c. one or more remote receivers connected to said network for receiving said video from said transmitter,

wherein at least one of said receivers is configured to receive one or more control commands from a user, and

wherein said transmitter is configured to receive at least one of said control commands from said one of said receivers,

wherein said control command changes the operation of said transmitter,

whereby said user can remotely control the operation of said transmitter.

34. A system of claim 33 wherein said control command specifies a subset of the area of said digitized frames,

wherein said transmitter selectively operates on said subset of the frame area.

35. A system of claim 33 wherein transmitter further comprises a plurality of video compressors and,  
wherein said control command allows the remote user to select or change the selection of one of the plurality of video compressors to be used by the transmitter to process said digitized frames.
36. A system of claim 33 wherein said control command allows the remote user to start or stop the transmission of said video.